

On the Nonequivalence of Two Integral Definitions

SOV/155-1-1001

and if there exists  $\lim_{n \rightarrow \infty} I_n$ , then it is called the  $W$ -integral of  $F(x)$ :  $I = \lim_{n \rightarrow \infty} I_n$ .

At the other hand, on the set  $S$  of functions  $F(x)$  and  $a_1 \leq x(t_1) \leq b_1$ , the measure

$$\mu_n(S) = \left(\frac{n}{\pi}\right)^{\frac{n}{2}} \int_{a_1}^{b_1} \dots \int_{a_n}^{b_n} e^{-n \sum (x_i - x_{i-1})^2} dx_1 \dots dx_n$$

can be defined. According to Lebesgue the measure  $\mu_n$  is continued to the Borel closure of  $S$ , whereby the Lebesgue integral is defined

$$I_L = (L) \int F(x) d\mu.$$

Thus we have

$$I = \lim_{n \rightarrow \infty} \int F d\mu_n$$

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On the Nonequivalence of Two Definitions of the Integral  $I_L$  S.V. Fomin

$$I_L = \int F d \lim_{n \rightarrow \infty} \mu_n$$

Under certain assumptions S.V. Fomin stated that  $I_L \leq I$ . The author constructs an example with

$$I_L < I,$$

wherefrom there follows the nonequivalence of both definitions. The author thanks L.A. Chudov.

There are 2 references, 1 of which is Soviet, and 1 English.

ASSOCIATION: Ob"yedinennyy institut yadernykh issledovaniy (Joint Association of Nuclear Research)

SUBMITTED: March 20, 1958

Card 3/3

~~21(1)~~ 24.6000

AUTHORS: Maykov, Ye.V. and Chernikov, N.A.

SOV/155-58-4-21/34

TITLE: On a Graphic Method in the Kinematics of the Collision of two Particles (Ob odnom graficheskom metode v kinematike stolknoveniya dvukh chastits)

PERIODICAL: Nauchnyye doklady vysshey shkoly. Fiziko-matematicheskiye nauki, 1958, Nr 4, pp 129 - 134 (USSR)

ABSTRACT: Let  $m_{-1}$ ,  $m_{-2}$  and  $a_{-1}$ ,  $a_{-2}$  be the rest masses and velocities of the particles  $\gamma_{-1}$ ,  $\gamma_{-2}$  before the collision. Let  $m_1$ ,  $m_2$  and  $a_1$ ,  $a_2$  be the rest masses and velocities of the corresponding particles  $\gamma_1$ ,  $\gamma_2$  after the collision. The collision  $\gamma_{-1}$ ,  $\gamma_{-2} \rightarrow \gamma_1$ ,  $\gamma_2$  is considered according to the scheme  $\gamma_{-1}$ ,  $\gamma_{-2} \rightarrow \gamma_0 \rightarrow \gamma_1$ ,  $\gamma_2$ . At first in the velocity space (a Lobachevskiy space)  $m_0$  and  $a_0$  are determined from  $\gamma_0$ . The interval  $a_1 a_2$  contains  $a_0$ ; let  $\vartheta_1 = a_0 a_1$ ,  $\vartheta_2 = a_0 a_2$ . The geometric position of the possible positions of  $a_1$  (and  $a_2$ )

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On a Graphic Method in the Kinematics of the  
Collision of two Particles

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respectively) is a sphere  $\sigma_1$  (and  $\sigma_2$  respectively) with the radius  $\rho_1$  (and  $\rho_2$  respectively) and the center  $a_0$ . In a similar way  $w = \frac{E}{p}$  (the ratio of the kinetic energy of the particle to its impulse) can be graphically determined as the length of a certain circular secant. For the determination of the circular radius and of some other initial data for the construction the values of the functions

$$\varphi(x,y) = \sqrt{\frac{(1-x)^2 - y^2}{(1+x)^2 - y^2}} \quad \text{in } x \geq 0, y \geq 0, x + y \leq 1 \quad \text{and}$$

$$F(u,v) = \frac{u(1-v^2)}{1-u^2v^2} \quad \text{in } 0 \leq u \leq 1, 0 \leq v \leq 1$$

are needed. Corresponding tables of values are set up in the

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On a Graphic Method in the Kinematics of the  
Collision of two Particles

SOV/155-58-4-21/34

Laboratory for Theoretical Physics of the United Institute for  
Nuclear Research.

There are 5 references, 4 of which are Soviet, and 1 Dutch.

ASSOCIATION: Ob"yedinennyy institut yadernykh issledovaniy (United  
Institute for Nuclear Research)

SUBMITTED: June 22, 1958

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S/020/63/149/003/004/028  
B112/B180

AUTHORS: Maykov, Ye. V., Pomin, S. V.

TITLE: Difference schemes and measures in functional space

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 149, no. 3, 1963, 525 - 528

TEXT: The Cauchy problem  $\partial u / \partial t = Lu$ ,  $u(0, x) = \varphi(x)$  (1), where  $L$  is a linear differential operator and  $\varphi(x)$  is a continuous bounded function, is written in the difference form  $u_{i+1, k}^m = \sum_{j=-\infty}^{\infty} a_{ij}^m u_{ij}^m$ ,  $u_{0k}^m = \varphi_k^m$  (7).

This system may be solved in the form  $u^m(t, x) = \sum_{\gamma(\tau) \in \Delta_m} \varphi_k^m p_m[\gamma(\tau)]$  (8).

In the functional space  $\Omega = \Omega_0^{t, x}$  the sequence of measures  $\mu_m(A) = \sum_{\gamma(\tau) \in A} p_m[\gamma(\tau)]$  (9) is introduced for any  $A \subset \Omega$ . The following

two theorems are derived: 1. If the difference scheme is uniformly

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Difference schemes and ...

S/020/63/149/003/004/028  
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stable, then the corresponding sequence of measures is T-convergent.

2. The sequence (9) converges weakly if and only if it is T-convergent and compact.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova  
(Moscow State University imeni M. V. Lomonosov)

PRESENTED: October 10, 1962, by P. S. Aleksandrov, Academician

SUBMITTED: September 18, 1962

Card -2/2

MAYKOV, Ye. V.

$\tau$ -Continuity and  $\tau$ -differentiability of functionals. Dokl.  
AN SSSR 155 no. 2:266-269 Mr '64. (MIRA 17:5)

1. Moskovskiy gosudarstvennyy universitet im. Lomonosova.  
Predstavleno akademikom P. S. Aleksandrovym.



MAYKOV Ye.V.

$\tilde{T}$ -Polynomials.  $\tilde{T}$ -Analytic Functionals. Dokl. AN SSSR 156 no. 5:  
1025-1028 Je '64. MIRA 1966

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.  
Predstavleno akademikom P.S.Aleksandrovym.

ABRAMOV, V.S.; MAYKOVA, A.I.

Synthesis of mixed alkylalkoxyethylphosphorous acids and study  
of their properties. Trudy KKHTI no.26:104-108 '59. (MIRA 15:5)  
(Phosphorous acid)

53630 2220, 2209

31550  
S/081/61/000/022/022/076  
B110/B138

AUTHORS: Abramov, V. S., Maykova, A. I.

TITLE: Synthesis of mixed dialkyl- $\alpha$ -alkoxy- $\beta$ -dichloro vinyl esters of phosphoric acid

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 22, 1961, 206, abstract 22Zh230 (Tr Kazansk. khim.-tekhnol. in-ta, no 26, 1959, 109-116)

TEXT:  $(RO)_2P(O)OC(OR')=CCl_2$  (II) was obtained from the reaction of  $(RO_3)P$  with  $CCl_3COOR'$  (I). The following is indicated: R, R', yield in %, boiling point in  $^{\circ}C/mm$ ,  $n_D^{20}$ ,  $d_4^{20}$ :  $C_2H_5$ ,  $CH_3$ , 27.5, 139-142/7, 1.4520, 1.3020.  $C_3H_7$ ,  $CH_3$ , 50, 135-138/3, 1.4526, 1.2294. iso- $C_3H_7$ ,  $CH_3$ , 52, 142-143/11, 1.4478, 1.2179.  $C_4H_9$ ,  $CH_3$ , 68.7, 145-146/3, 1.4530, 1.1830. iso- $C_4H_9$ ,  $CH_3$ , 62.7, 130-132/1.5, 1.4518, 1.1830.  $C_2H_5$ ,  $C_2H_5$ , 40, 103, 0.5, 1.4284, -. iso- $C_3H_7$ ,  $C_2H_5$ , 45, 116.5-118/2, 1.4468, 1.1904.  $C_4H_9$ ,  $C_2H_5$ , 49.

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31550

S/081/61/000/022/022/076

B110/B138

Synthesis of mixed dialkyl- $\alpha$ -alkoxy...

145-147/2, 1.4523, 1.1617. iso-C<sub>4</sub>H<sub>9</sub>, C<sub>2</sub>H<sub>5</sub>, 43, 135-136, 5/1, 5, 1.4499, 1.1596. C<sub>2</sub>H<sub>5</sub>, iso-C<sub>3</sub>H<sub>7</sub>, 26, 130-131/2, 1.4511, 1.2252. iso-C<sub>3</sub>H<sub>7</sub>, 41.8, 120-121/2, 1.4445, 1.1720. C<sub>4</sub>H<sub>9</sub>, C<sub>4</sub>H<sub>9</sub>, 48, 158-159/2, 1.4530, 1.1317 iso-C<sub>4</sub>H<sub>9</sub>, C<sub>4</sub>H<sub>9</sub>, 53, 146-147/2, 1.4498, 1.1199. iso-C<sub>4</sub>H<sub>9</sub>, iso-C<sub>4</sub>H<sub>9</sub> (IIa), 33, 144-146/2, 1.4500, 1.1237. 0.1 mole of I is added dropwise to 0.1 mole of (RO)<sub>3</sub>P while heating and stirring, and II is separated after 1-2 hr of heating. In addition, high-boiling products are formed. 1.4 g of Na is added to 15 ml of absolute iso-C<sub>4</sub>H<sub>9</sub>OH, and 10 g of IIa is added during cooling. The mixture is distilled after heating and (iso-C<sub>4</sub>H<sub>9</sub>O)<sub>3</sub>PO is separated with a 42.5 yield. Although the reaction of (RO)<sub>2</sub>P(O)H and I was observed, it was not possible to separate any reaction products [Abstracter's note: Complete translation.]

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MAYKOVA, O.P.

Cyologic studies of the biological effect of sulfur dioxide  
on plant cells. O. P. Maikova. *Trudy Leningrad.  
Sanit.-Gigien. Med. Inst.* 11, 65-74 (1953); *Referat. Zhur. MD*  
*Khim.; Biol. Khim.* 1955, No. 1395.—SO<sub>2</sub> in concn. of  
0.05-0.25 mg./1000 l. arrests the development of plant cells.  
B. S. Levine.....

MAYKOVA, O. P.

# U S S R .

Effect of riboflavin on the assimilability of some fats in mixed food ration. O. P. Maykova. *Trudy Leningrad. Sankt. Giper. Med. Inst.* 14, 144-50 (1953).—Clinical tests were made on the effects of riboflavin on the assimilation of fats (butter, margarine, sunflower oil) by human subjects. Intake of more than a normal amount of riboflavin (5 mg.) with protein intake of more than 60-70 g., results in an increased assimilation of fats: butter by 3-4, margarine by 3-5, vegetable oil by 2-4%. Similar results are found after intake of 100 g. of yeast or 5 mg. riboflavin taken in several portions during a day.

G. M. Kosolapoff

MAYKOVA, O.P.; KHANINA, B.I., sanitarnyy vrach sanitarno-epidemiologicheskoy stantsii; SMIRNOVA, A.A., starshiy khimik laboratorii sanitarno-epidemiologicheskoy stantsii.

Vitamin C content of sauerkraut as affected by various production methods. Trudy ISGMI 14:157-161 '53. (MLBA 7:9)  
(Ascorbic acid) (Sauerkraut)

MAYKOVA, O.P.

Vitamin value of certain food concentrates. Trudy LSGMI  
no.47:168-175 '59. (MIRA 12:9)

1. Kafedra gigiyeny pitaniya Leningradskogo sanitarno-  
gigiyenicheskogo meditsinskogo instituta (zav. kafedroy -  
dotsent Z.M.Agranovskiy).

(FOOD, PRESERVATION)

(VITAMIN B COMPLEX)



MAYKOVA, O.P.; VOL'PER, I.N.

Consumption and physiological value of certain new fats used  
in the production of food concentrates. Trudy LSOMI no.47:  
176-184 '59. (MIRA 12:9)

1. Kafedra gigiyeny pitaniya Leningradskogo sanitarno-gigiyeniche-  
skogo meditsinskogo instituta (zav. kafedroy - dotsent Z.M.Agranov-  
skiy).

(FATS)

(FOOD, PRESERVATION)

AGRANOVSKIY, Z. M., prof.; LEBEDEVA, Ye. A.; MAYKOVA, O. P.;  
KHARAKHORKINA, K. D.

Nutrition in old age as a hygienic problem and methods for its  
combined study. Trudy LSGMI 67:8-17 '62. (MIRA 15:7)

1. Kafedra gigiyeny pitaniya s klinikoy alimentarnykh zabo-  
levaniy Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo  
instituta (zav. kafedroy - prof. Z. M. Agranovskiy).

(NUTRITION) (GERIATRICS)

MAYKOVA, O. P.

Characteristics of fat metabolism in old age. Trudy LSGMI 67:  
40-53 '62. (MIRA 15:7)

1. Kafedra gigiyeny pitaniya s klinikoy alimentarnykh zabo-  
levaniy Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo  
instituta (zav. kafedroy - prof. Z. M. Agranovskiy).

(FAT METABOLISM) (GERIATRICS)

KOSHINA, Z. P.; MAYKOVA, O. P.; KHARAKHORKINA, K. D.

Assimilability of proteins, fats and carbohydrates in old age.  
Trudy LSGMI 67:105-113 '62. (MIRA 15:7)

1. Kafedra gigiyeny pitaniya s klinikoy alimentarnykh zabole-  
vaniy Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo  
instituta (zav. kafedroy - prof. Z. M. Agranovskiy).

(PROTEIN METABOLISM) (FAT METABOLISM)  
(CARBOHYDRATE METABOLISM) (GERIATRICS)

LEBEDEVA, Ye. A.; MAYKOVA, O. P.

Dependence between the content of fat and calcium in the diet and their assimilability in old age. Trudy LSGMI 67:114-120 '62. (MIRA 15:7)

1. Kafedra gigiyeny pitaniya s klinikoy alimentarnykh zabolevaniy Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (zav. kafedroy - prof. Z. M. Agranovskiy).

(FAT METABOLISM) (CALCIUM METABOLISM)  
(GERIATRICS)

KOSHINA, Z. P.; LEBEDEVA, Ye. A.; MAYKOVA, O. P.; KHARAKHORKINA, K. D.

Metabolism in old age with a dietary ration of products with a limited cholesterol content and plant oils partially replacing animal fats. Trudy LSGMI 67:121-148 '62. (MIRA 15:7)

1. Kafedra gigiyeny pitaniya s klinikoy alimentarnykh zabolevaniy Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (zav. kafedroy - prof. Z. M. Agranovskiy).

(CHOLESTEROL) (NUTRITION) (GERIATRICS)  
(METABOLISM)

KOSHINA, Z. P.; LEBEDEVA, Ye. A.; MAYKOVA, O. P.; KHARAKHORKINA, K. D.

Metabolism in old age with a dietary ration enriched by soybean phosphatides. Trudy LSQMI 67:149-174 '62. (MIRA 15:7)

1. Kafedra gigiyeny pitaniya s klinikoy alimentarnykh zabolevaniy Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (zav. kafedroy - prof. Z. M. Agranovskiy).

(SOYBEAN AS FEEDING STUFF) (METABOLISM)  
(LECITHIN) (GERIATRICS)

LEBEDEVA, Ye. A.; MAYKOVA, O. P.; KHARAKHORKINA, K. D.

Metabolism in old age with a ration containing an increased quantity of milk, milk products and vegetables. Trudy ISGMI 67: 175-196 '62. (MIRA 15:7)

1. Kafedra gigiyeny pitaniya s klinikoy alimentarnykh zabolevaniy Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (zav. kafedroy - prof. Z. M. Agranovskiy).

(METABOLISM) (GERIATRICS) (NUTRITION)



LEBEDEVA, Ye. A.; MAYKOVA, O. P.; KHARAKHORKINA, K. D.

Recommendations for the rational organization of nutrition in  
old age. Trudy LSGMI 67:197-201 '62. (MIRA 15:7)

1. Kafedra gigiyeny pitaniya s klinikoy alimentarnykh zabo-  
levaniy Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo  
instituta (zav. kafedroy - prof. Z. M. Agranovskiy).

(NUTRITION) (GERIATRICS)

BOGOMOLOVA, L.D. [translator]; CHEPELEVA, I.V. [translator]; PENIN, N.A.,  
red.; MAYKOVA, Ye.I., red.; BELEVA, M.A., tekhn.red.

[Electron spin resonance in semiconductors] Elektromyi spinovyi  
rezonans v poluprovodnikakh; sbornik statei. Moskva, Izd-vo  
inostr.lit-ry, 1962. 380 p. Translated from the English.  
(Semiconductors) (MIRA 15:5)  
(Paramagnetic resonance and relaxation)

KOSTOV, Ivan, prof.; LEMOV, N.V., akademik[translator];  
MAYKOVA. Ye.I., red.

[Crystallography. Translated from the Bulgarian] Kri-  
stallografiia. Moskva, Mir, 1965. 528 p. (MIRA 18:12)

MAYKOVA-STROGANOVA, V.S., FINKEL'SHTEYN, M.A.

[Radiographs of bones and joints; general principles in the interpretation of radiographs for normal and pathological conditions]

Kosti i sustavy v rentgenovskom izobrazhenii; obshchie ustanovki v traktovke snimkov v norme i patologii tulovishcha. Leningrad, Medgiz, 1952. 218 p. (MIRA 8:1)

(Bones--Radiography) (Joints--Radiography)

MAYKOVA-STROGANOVA, V.S., professor

Significance of X-ray anatomical analysis of the margo zygomaticus  
in diagnosis of pathologic processes in the temporo-orbital region.  
Vest. rent. 1 rad. no.6:3-8 N-D '54. (MLRA 8:1)

1. Iz kafedry rentgenologii (zav. chlen-korrespondent Akademii  
meditsinskikh nauk SSSR prof. D.G.Rokhlin) i Leningradskogo medi-  
tsinskogo instituta imeni akademika I.P.Pavlova

(ZYGOMA, RADIOGRAPHY,

margo zygomaticus, in diag. of temporo-orbital dis.)

(ORBIT, diseases,

temporo-orbital, diag., x-ray of margo zygomaticus)

(TEMPORAL LOBE, diseases,

temporo-orbital, diag., x-ray of margo zygomaticus)

MAYKOVA-STROGANOVA, V.S.; ROKHLIN, D.G.; FINKEL'SHTYIN, M.A.

[Bones and joints in X-ray pictures; general directions in the interpretation of pictures of normal and pathological conditions]  
Kosti i sustavy v rentgenovskom izobrazhenii; obshchie ustanovki  
v traktovke snimkov v norme i patologii. Leningrad. Medgiz. Vol.3.  
[Head] Golova. 1955. (MLRA 9:6)  
(BONES--RADIOGRAPHY) (JOINTS--RADIOGRAPHY)

MAYKOVA-STROGANOVA, Varvara, Sergeyevna, prof.; ROKHLIN, Dmitriy Gerasimovich, prof.. Prinimal uchastiye: FINKEL'SHTEYN, M.A., starshiy nauchnyy sotrudnik. ABRAMOV, Sh.I., red.; RILEVA, M.S., tekhn.red.

[Bones and joints in X-ray photography; extremities] Kosti i sustavy v rentgenovskom izobrazhenii; konechnosti. Leningrad, Gos.izd-vo med.lit-ry, Leningr.otd-nis, 1957. 482 p. (MIRA 12:11)

1. Chlen-korrespondent AMN SSSR (for Rokhlin).  
(BONES--RADIOGRAPHY) (JOINTS--RADIOGRAPHY)

MAYKOVSKAYA, G. K.

All-Union Communist Party (Bolshevik)

Struggle of the Bolshevik Party for the masses in the preparatory period of the socialist revolution (April-July, 1917). G. K. Maykovskaya. Vest.Len.un. 6, No.11, 1951.

Monthly List of Russian Acquisitions, Library of Congress, September 1952. Unclassified.



MAYKO"SKAYA, N.I., inzh.

Hand trucks for livestock farms. Trakt. i sel'khoz mash. no. 6:33-  
34 Je '58. (MIRA 11:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokhozyayst-  
vennogo mashinostroyeniya.  
(Hand trucks)

MAYKOVSKIY, I.A.

The BKS-1 machine for harvesting sugar-beet tops and roots. Biul.  
tekh.-ekon.inform. no.11:53-55 '60. (MIRA 13:11)  
(Sugar beets--Harvesting)

GAUSMANOVA, I.; VARETSKAYA, K.; MAYKOVSKIY, Ye.

Use of the adrenocorticotrophic hormone in neuropathological clinical practice. Zhur.nevr. i psikh. 56 no.4:288-293 '56. (MLRA 9:7)

1. Klinika nervnykh bolezney Varshavskoy meditsinskoy akademii  
(NERVOUS SYSTEM, diseases,  
ther., ACTH (Rus))  
(ACTH, therapeutic use,  
nervous system dis. (Rus))

*Maylaks, M.*  
MAYLAKHS, M., instruktor-letchik.

On a record flight: Kryl.red. 8 no.9:6 S '57.  
(Aeronautics)

(MIRA 10:10)

MARTOS, Katalin, Dr.; MAYIATH, Jozsefne; KONIG, Marta, Dr.; BARATH, Jenő, Dr.

Experimental studies on the changes of blood proteins and lipids following intravenous iodine therapy in arteriosclerosis. Orv. hetil. 99 no.18:597-600 4 May 58.

1. A Janos Korhaz (igazgato: Tako Jozsef dr.) III. sz. Belosztalyanak (foorvos: Barath Jenő dr.) kozlemenye.

(IODIDES, ther. use

sodium iodide, intravenous, in arteriosclerosis, eff. on blood lipids & proteins (Hun))

(ARTERIOSCLEROSIS, ther.

sodium iodide, intravenous, eff. on blood lipids & proteins (Hun))

(BLOOD PROTEINS, in various dis.

arteriosclerosis, eff. of intravenous sodium iodide ther. (Hun))

(LIPIDS, in blood

in arteriosclerosis, eff. of intravenous sodium iodide ther. (Hun))

KISS, Jozsef, dr.; MAYLATH, Jozsefne okl. vegyesz

Early diagnosis of arteriosclerosis and allied disorders with the aid of an index. Orv.hetil. 102 no.31:1454-1456 30 J1 '61.

1. Budapesti Janos Korhaz, III. Belosztaly.

(ARTERIOSCLEROSIS diag)

BANGA, Ilona; MAYLATH-PALAGYI, Jolanda

Effect of inhibitors on the activity of trypsin and collagen-mucoproteinase. Acta physiol. acad. sci. Hung. 24 no.2:151-156 '63.

1. First Department of Pathology and Experimental Cancer Research, Medical University, Budapest.  
(COLLAGEN) (PEPTIDE HYDROLASES)  
(TRYPSIN) (CHEMISTRY)  
(ENZYME INHIBITORS)

BANGA, Ilona; MAYLATHNE PALAGYI, Jolanda

Effect of inhibitors on trypsin- and collagenmucoproteinase-  
activity. Kiserl. orvostud. 15 no.6:644-648 D '63.

1. Budapesti Orvostudományi Egyetem I Kórház és Kísérleti  
Rakutató Intézet.

(ENZYME INHIBITORS) (TRYPSIN)  
(PEPTIDE HYDROLASES) (PHARMACOLOGY)



I 9756-66

ACC NR: AP6001951

SOURCE CODE: HU/0018/65/017/001/0035/0039

AUTHOR: Maylath, Palagyi, Jolanda; Banga, Ilona; Kiss, Jozsef--Kishsh, Y. 21

ORG: I. Institute of Pathological Anatomy and Experimental Cancer Research,  
Medical University of Budapest (Budapesti Orvostudományi Egyetem I. Kórház és  
Kísérleti Kutató Intézete)

TITLE: Effect of elastase on the lipid metabolism of arteriosclerotic patients

SOURCE: Kísérletes Orvostudomány, v. 17, no. 1, 1965, 35-39

TOPIC TAGS: experiment animal, cardiology, biochemistry, cardiovascular system,  
pathology

ABSTRACT: Elastase, 1-2 dragees three times daily  
for six weeks, was given to 30 patients with severe arteriosclerosis and  
hypertension. The influence of elastase on their lipid metabolism has been  
investigated. The results can be summarized as follows. An average 17  
per cent drop in the cholesterol level followed. The amount of ketone bodies  
showed a mean increase of 15 per cent initially, with a subsequent normaliza-  
tion. The arteriosclerotic index (mg % cholesterol / mg % ketone bodies)  
that was higher than normal before the treatment dropped to nearly normal  
values following it. A 36 per cent decrease in the amount of elastase in-  
hibitors was effected by the treatment. The results of the investigations  
led to the conclusion that elastase can play a role in lipid metabolism.

Orig. art. has: 4 tables. JPRS  
SUB CODE: 06 / SUBM DATE: 11Mar64 / ORIG REF: 010 / OTH REF: 013  
Card 1/1

BANGA, Ilona; MAYLATH-PALAGYI, Jolanda; JOBBAGY, A.

Fluorescing components in elastin. Acta physiol. acad. sci.  
Hung. 26 no.4:305-312 '65

1. Institut für pathologische Anatomie und experimentelle  
Krebsforschung und Klinik für Haut- und Geschlechtskrankheiten  
der Medizinischen Universität, Budapest.

HUNGARY

BANGA, Ilona, MAYLATH-PALAGYI, Jolanda, JOBBAGY, Aladar; Medical University of Budapest, I. Institute of Pathological Anatomy and Experimental Cancer Research (Budapesti Orvostudományi Egyetem, I. sz. Korbonctani és Kísérleti Rakkutató Intézet), and National Institute of Dermatology and Venereology (Országos Bor- és Nemikortani Intézet), Budapest.

"Relationship Between Fluorescent Substances and Arteriosclerosis."

Budapest, Acta Physiologica Academiae Scientiarum Hungaricae, Vol XXX, No 1, 1966, pages 79-89.

Abstract: [English article, authors' English summary modified] a) Specific fluorescence was studied in the collagen and elastin fractions of normal and sclerotic human aortas. Measurements were made at 365 mμ with a Hilger spectrophotometer and appropriate adapter. The specific fluorescence of sclerotic aortas was considerably higher than that of normal aortas. b) Fluorescence of the protein of sclerotic aortas was increased two-fold in the collagen fraction and four-fold in the elastin fraction. When elastin was separated into two subfractions, the one better soluble with elastase was found to contain seven times as much fluorescent material as the normal aortic wall. The elastase-resistant fraction showed a three-fold elevation. c) Study of the relationship between extent of arteriosclerosis and fluorescence revealed that both total fluorescence and that of individual fractions showed a sudden increase at the time of appearance of the sclerosis without further elevation which would have been proportional to the degree of sclerosis later. 1 Hungarian, 12 Western references. [Manuscript received 10 Jun 65.]  
1/1

1/1

HUNGARY

BANCA, Ilona, MAYLATH (Mrs.), PALAGYI, Jolanda; Medical University of Budapest, I. Institute of Pathological Anatomy and Experimental Cancer Research (Budapesti Orvostudományi Egyetem, I. Korbonctani és Kísérleti Rákkutató Intézet).

"Fluorescence Measurements on Aorta-Elastolyzates by Using Gel Filtration."

Budapest, Kísérletes Orvostudomány, Vol XIX, No 1, Jan 67, pages 40-47.

**Abstract:** [Authors' Hungarian summary] The extracts of sclerotic and normal aortas, obtained with elastase, were separated by gel filtration and their activated fluorescence was studied at 385 mμ. The fluorescent material which is increased in sclerosis was concentrated in the large molecular weight fractions. These fractions do not contain desmosins in the free state. The small molecular weight fractions, in which the desmosins are found, exhibited weak fluorescence. The fluorescence measured was greatly decreased by hydrolysis. Since the desmosins can be isolated from the hydrolyzate, this would also indicate that not these components had been studied but some other, previously unknown fluorescent material. 2 Hungarian, 13 Western references. [Manuscript received 11 Feb 66.]

ANATOMY

HUNGARY

BANCA, Ilona, MAYLATH, PALAGYI, Jolanda, JOBBAGY, Aladár; Medical University of Budapest, Institute of I. Pathological Anatomy and Experimental Cancer Research (Budapesti Orvostudományi Egyetem, I. Korbonctani és Kísérleti Rákkutató Intézet), and National Institute of Dermatology and Venereology (Országos Bőr- és Nemikortani Intézet), Budapest.

"Study of the Fluorescent Material of Sclerotic Human Aortic Walls."

Budapest, Kísérletes Orvostudomány, Vol XVIII, No 2, Apr 66, pages 189-197.

**Abstract:** [Authors' Hungarian summary] The specific fluorescence of the collagen and elastin fractions of the aortic wall of normal (child and young adult) and arteriosclerotic humans was compared. The measurements were made with the adapter of a Hilger spectrophotometer using 365 mμ exciting filter. It was found that, in comparison with the normal aorta, there was a large increase in fluorescence values in the arteriosclerotic ones. The mean deviation was two-fold in the collagen fraction and four-fold in the elastin fraction. In the two separated fractions of elastin, the fluorescence values of the highly elastase-soluble fraction were seven-fold, those of the more resistant fraction were about three-fold in comparison to the normal aorta. The study of the correlation between the degree of arteriosclerosis and the fluorescence indicated that the total fluorescence as well as the fluorescence of individual fractions increases steeply and rapidly with the appearance of arteriosclerosis. With increasing severity of the sclerosis, there is no proportional further increase in fluorescence. 1 Hungarian, 13 Western

ACC NR: AT6023533

SOURCE CODE: HU/2505/65/027/002/0179/0185

AUTHOR: Maylath-Palagyi, Jolanda--Palad'i-Maylat, Y.; Banga, Ilona; Kiss, Jozsef--Kishsh, Y.

ORG: I. Institute of Pathological Anatomy and Experimental Cancer Research, Medical University of Budapest (Budapesti Orvostudományi Egyetem, I. sz. Korbonctani és Kísérleti Raktató Intezet)

TITLE: Effect of elastase on the lipid metabolism of arteriosclerotic patients

SOURCE: Academia scientiarum hungaricae. Acta physiologica, v. 27, no. 2, 1965, 179-185

TOPIC TAGS: circulatory system disease, blood pressure, ketone, biologic metabolism, drug treatment

ABSTRACT: Thirty patients with severe arteriosclerosis and hypertension were given 3 x 1 and 3 x 2 elastase pills daily for 6 weeks, in order to determine whether lipid metabolism can be influenced with elastase. The results revealed an average drop of 17 per cent in the level of cholesterol. The number of ketone bodies increased by an average of 14 per cent, that is, they became normalized. The arteriosclerotic index (cholesterol mg per cent/ ketone bodies mg per cent) which was elevated before the treatment, was nearly normal following it. As a result of the treatment, a 36 per cent increase was observed in the elastase inhibitor values. On the basis of the experimental results it is assumed that elastase does play a role in lipid metabolism. Orig. art. has: 4 figures and 5 tables. [JPRS]

SUB CODE: 06 / SUBM DATE: 12Mar64 / ORIG REF: 006 / OTH REF: 014

Card 1/1

0915

1496

GLEMBOTSKIY, E.B., inzh.; MAYLE, G.G., inzh.

Sliding of timber into the mine through boreholes in Vorkuta mines.  
Ugol' 36 no.9:31-32 S '61. (MIRA 14:9)

1. Vorkutinskaya proyektno-izyskatel'skaya kontora.  
(Pechora Basin--Coal mining machinery)

CHUVATOV, V.V.; BEREZIN, N.N.; METSGER, E.Kh.; NAGIN, V.A.; KARTASHOV, N.A., kand. tekhn. nauk, dots.; MIL'KOV, N.V., kand. tekhn. nauk; BYCHKOV, M.I., kand. tekhn.nauk, dots.; SUKHANOV, V.P., SHLYAPIN, V.A.; KORZHENKO, L.I.; ABRAMYCHEV, Ye.P.; KAZANTSEV, I.I.; YARES'KO, V.F.; LUKOYANOV, Yu.N.; DUDAROV, V.K.; BALINSKIY, R.P.; KOROTKOVSKIY, A.E.; PONOMAREV, I.I.; NOVOSEL'SKIY, S.A., kand. tekhn.nauk, dots.; IL'INYKH, N.Z.; TSITKIN, N.A.; ROGOZHIN, G.I.; PRAVOTOROV, B.A.; ORLOV, V.D.; RACHINSKIY, M.N.; KULTYSHEV, V.N.; SMAGIN, G.N.; KUZNETSOV, V.D.; MACHERET, I.G.; SHEGAL, A.V.; GALASHOV, F.K.; ANTIPIN, A.A.; SHALAKHIN, K.S.; RASCHETAYEV, I.M.; TISHCHENKO, Ye.I.; FOTIYEV, A.F.; IPPOLITOV, M.F.; DOROSINSKIY, G.P.; ROZHKOV, Ye.P.; RYUMIN, N.T.; AYZENBERG, S.L.; GOLUBTSOV, N.I.; VUS-VONSOVICH, I.K., inzh., retsenzent; GOLOVKIN, A.M., inzh., retsenzent; GUSELETOV, A.I., inzh., retsenzent; KALUGIN, N.I., inzh., retsenzent; KRAMINSKIY, I.S., inzh., retsenzent; MAYLE, O.Ya., inzh., retsenzent; OZERSKIY, S.M., inzh., retsenzent; SKOBLO, Ya.A., dots., retsenzent; SPERANSKIY, B.A., kand. tekhn. nauk, retsenzent; SHALAMOV, K.Ye., inzh., retsenzent; VOYNICH, N.F., inzh., red.; GETLING, Yu., red.; CHERNIKHOV, Ya., tekhn. red.

[Construction handbook] Spravochnik stroitelia. Red.kollegiia: M.I. Bychkov i dr. Sverdlovsk, Sverdlovskoe knizhnoe izd-vo. Vol.1. 1962. 532 p. Vol.2. 1963. 462 p. (MIRA 16:5)

(Construction industry)

MAYLER, Z., inzh.

Precast three-dimensional elements made of mesh-reinforced concrete for  
small structures. Na stroi. Ros. 4 no.1:22-23 Ja '63. (MIRA 16:3)  
(Precast concrete) (Buildings, Prefabricated)



MAYLER, Z.L., inzh.; KHARITONOV, K.F., inzh.

Complex transformer substations with precast reinforced  
concrete block-type casings. Prom. energ. 18 no.12:39-43  
D '63. (MIRA 17:1)

AVROV, P.Ya.; DITMAR, V.I.; FILIP'YEV, G.P.; SHALABAYEV, S.A.; LI, A.B.;  
SHAKHOV, R.A.; MAYLIBAYEV, M.M.; TSIREL'SON, B.S.

Gas bearing capacity of the Usharal structure in the Chu  
Depression. Vest. AN Kazakh. SSR 21 no.1:69-73 Ja '65.  
(MIRA 18:7)

VARENTSOV, M.I.; DITMAR, V.I.; LI, A.B.; MAYLIBAYEV, M.M.; FILIP'YEV, G.P.

Structure of the central part of the Chu-Sarysu Depression.  
Dokl. AN SSSR 166 no.3:671-673 Ja '66.

(MIRA 19:1)

1. Institut geologii i razrabotki goryuchikh iskopayemykh;  
Institut geologicheskikh nauk im. K.I.Satpayeva AN KazSSR  
i Yuzhno-Kazakhstanskaya nefterazvedochnaya ekspeditsiya.
2. Chlen-korrespondent AN SSSR (for Varentsov). Submitted  
October 21, 1965.

BALASHOV, V.V. ; MAYLING, L.; RAMAZANOVA, L.A.; SHITIKOVA, K.V.; YADROVSKIY,  
Ye.L.

Characteristics of the photodisintegration of nuclei with unfilled  
shells. Izv. AN SSSR. Ser. fiz. 29 no.7:1177-1183 J1 '65. (MIRA 18:7)

L 13173-66 ENT(m)/EWA(h)

ACC NR: AP6001147

SOURCE CODE: UR/0367/65/002/003/0427/0432

AUTHOR: Zelenskaya, N. S.; Mayling, L.; Neudachin, V. G.; Smirnov, Yu. F. 26ORG: Nuclear Physics Institute, Moscow State University (Institut yadernoy fiziki moskovskogo gosudarstvennogo universiteta) 26TITLE: Selection rules for nuclear reactions involving nucleon associations in the SU(3) scheme 19,44,85

SOURCE: Yadernaya fizika, v. 2, no. 3, 1965, 427-432

TOPIC TAGS: nuclear reaction, nucleon interaction, selection rule, quantum number, radioactive decay scheme, alpha particle, alpha decay

ABSTRACT: The authors examine selection rules according to approximate models of quantum numbers in the SU(3) scheme. Selection rules are formulated for nuclear reactions involving associations according to quantum numbers in the SU(3) scheme, widely used in light nuclei spectroscopy. It is shown that these selection rules in some cases lead to very rigid restrictions, which makes it easy to check them experimentally. For example, the reaction of quasi-elastic knock-out of an Alpha-particle from the nucleus  $O^{16}$  by a fast particle  $a: O^{16} (a, \alpha) C^{12}$ , accompanied by  $\alpha$ -decay of  $C^{12} \rightarrow 3\alpha$ , is possible only through the  $\sim 12$ -MeV level  $[1s^2, 1p^6 [444] 4^+]$  of the nucleus  $C^{12}$ . Furthermore, in the stripping reactions  $O^{16} (L^2, \alpha) Ne^{20}$  the only levels of the configuration  $(1d-2s)^4$  which can be excited are those of the lowest rotational series  $O^+, 2^+, \dots$ , based on the ground state of  $Ne^{20}$ .

Card 1/2

L 13173-66

ACC NR: AP6001147

Orig. art. has: 6 formulas.

SUB CODE: 18/ SUBM DATE: 23Mar85/ ORIG REF: 004/ OTH REF: 010

Card

2/2

246700

S/056/62/042/003/030/049  
B102/B138

AUTHOR: Mayling, L.

TITLE: a possible interpretation of experiments on inelastic scattering of fast protons from light nuclei

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 42, no. 3, 1962, 831-832

TEXT: The author seeks an explanation of the splitting of the 20-Mev level observed by Tyren and Maris in inelastic scattering of 180-Mev protons from light nuclei. This level is most probably excited by Coulomb interaction of the incident proton with the nucleus resulting in an  $E1$  transition. The inelastic scattering cross section is calculated in Born's approximation and  $d\sigma/d\Omega = 2(e^2/\hbar c)^2 (Mc^2/E) (1/\nu^2) \langle 0 | d_z^2 | 0 \rangle$  is obtained.  $\nu$  is the scattering angle,  $\langle 0 | d_z^2 | 0 \rangle = \sum_n |\langle n | d_z | 0 \rangle|^2$  denotes summation over all electrical dipole transitions,  $d_z = \sum_\alpha z_\alpha$  is a sum over all nuclear protons,  $z | \vec{q}, \vec{q}$  - transferred momentum. This result is obtained

Card 1/3

A possible interpretation of ...

S/056/62/042/003/030/049  
B102/B138

without assuming Coulomb interaction and is equivalent to one found by Sakamoto. The anisotropy in proton scattering ( $\langle 0 | d_z^2 | 0 \rangle \neq \langle 0 | d_x^2 | 0 \rangle$ ) causes a splitting of the resonance peak and is indicative of a deformation of the nucleus:  $\Delta/E_0 = (a^2 - b^2)/R_0^2$ ; 0.146 and 0.234 is obtained for  $C^{12}$  and  $N^{14}$ , respectively. ( $\Delta$  - amount of splitting,  $E_0$  - mean resonance energy,  $a, b$  - half-axes of ellipsoid,  $R_0$  - equilibrium radius of the sphere). A. M. Baldin and P. Yanoukh are thanked for discussions. There are 4 non-Soviet references. The four references to English-language publications read as follows: H. Tyren, Th. A. J. Maris. Nucl. Phys., 3, 52, 1957; 4, 637, 1957; 6, 82, 446, 1958; 7, 24, 1958. M. Kawai, T. Terasawa. Progr. Theor. Phys., 22, 513, 1959. Y. Sakamoto. Progr. Theor. Phys. 23, 183, 1205, 1960; 24, 81, 1960. N. Gilbert. Proc. Phys. Soc., A77, 362, 1961.

ASSOCIATION: Institut yadernykh issledovaniy Chekhoslovatskoy Akademii nauk, Rzhesh (Institute of Nuclear Research of the Czechoslovakian Academy of Sciences, Rzhesh)

Card 2/3



A possible interpretation of ...

S/056/62/042/003/030/049  
B102/B138

SUBJECT: September 22, 1961

Card 3/3

f

MAYTING, L.; NEUDACHIN, V. G.; SMIRNOV, Yu. F. 2

"Maximal Values of Derived Alpha Widths for Nuclear States with Large Spins."

report submitted for All-Union Conf on Nuclear Spectroscopy, Tbilisi, 14-22  
Feb 64.

MGU (Moscow State Univ)

MAYLOV, B.I.

Eliminate shortcomings in calculating the volume of the  
earth roadbed. Avt.dor. 28 no.10:15-16 0 '65.

(MIRA 18:11)

MAYLOVA, L.G. (Kislovodsk)

Author's address

Readers' conference for nurses working in health resorts. Med.sestra  
17 no.1:45 Ja '58. (MIRA 11:2)  
(NURSES AND NURSING--PERIODICALS)

AL'TERGOT, V.F.; VOLGINA, K.P.; MAYLSHEVA, K.M.

Karyolysis and DNA content in meristematic cells subjected to the effect of increasing temperature. Dokl. AN SSSR 162 no.5:1168-1170 Je '65. (MIRA 18:7)

1. Tsentral'nyy Sibirskiy botanicheskiy sad Sibirskogo otdeleniya AN SSSR. Submitted September 7, 1964.

MAYLUN, Z. A., Cand Biol Sci -- (diss) "Vegetation of the contemporary Amy-Dar'ya Delta and basic principles of its formation." Tashkent, 1960. 18 pp; 2 page of schematics; (Academy of Sciences Uzbek SSR, Inst of Botany); 150 copies; price not given; (KL, 19-60, 131)



MIRZA-AVAKYAN, G.L., assistant (Armenian SSR, Yerevan ul. Pechatnikov, d.19); MAYLYAN, A.G.

Combination of a gastric ulcer and phytobezoar. Klin.khir. no.9:  
83-84 S '62. (MIRA 16:5)

1. Kafedra gosptal'noy khirurgii (zav. - prof. I.Kh. Gevorgyan)  
Yerevanskogo meditsinskogo instituta i Stepanavanskoye rayonnoye  
meditsinskoye ob'yedineniye.  
(STOMACH--ULCERS) (BEZOAR)



MAYLIAN, L. M.; GASANOV, A. S.; PIPIK, O. G.; ZOKHRABYEKOV, Z. S.;  
MAKHMOUDBEKOV, L. A.; SHTUSS, A. A.; NADZHAROV, A. G.

30 Years of scientific, medical and pedagogic activity of  
I. S. Ginzburg. Khirurgiia, Moskva no.7:86-87 July 1951.  
(CIML 21:1)

1. Honored Worker in Science, Professor. 2. Chief Oncologist  
Azerbaydshan SSR attached to the Ministry of Public Health,  
Member of the Central Committee of the Red Crescent,  
Chairman of the Oncological Section of Azerbaydshan Medical  
Society, Member of the Learned Medical Council of the  
Ministry of Public Health of the Republic.

MAYLIAN, L.M., professor, zasluzhennyy deyatel' nauki

Treatment of malarial splenomegaly. Terap.arkh. 27 no.1:77-81 '55.

(MLRA 8:7)

1. Iz fakultetskoy terapevticheskoy kliniki (zav. prof. L.M.Mailyan)  
Azerbaydzhanskogo meditsinskogo instituta.

(SPLENOMEGALY, etiology and pathogenesis,  
malaria, ther.)

(MALARIA, complications,  
splenomegaly, ther.)

MAYLYAN, N. V.

Investigation of ceresines isolated from petrolatum.  
I. M. Abesgauz and N. V. Maylyan. *Khim. i Tekhnol.  
Topliv* 1956, No. 9, 57-62. — The ceresine obtained from a  
Grozny petrolatum (I) and the ceresine from Borislavsk  
and Dagadzhikov ozokerites (II) generally are similar,  
except for the microstructure and phase equil. I is less  
plastic and its cooling curve shows existence of only a single  
phase while II forms two phases. — M. Charmandarian

2

MAYLIAN, S. L., kand. med. nauk

State of the cardiovascular system in infectious nonspecific  
polyarthritis. Vrach. delo no.3:52-55 Mr '62.

(MIRA 15:7)

1. Kafedra fakul'tetskoy terapii (zav. - dotsent R. M. Ginzburg)  
Donetskogo meditsinskogo instituta.

(ARTHRITIS) (CARDIOVASCULAR SYSTEM—DISEASES)

PETSHAUFER, A.V., inzh.; MAYLIAN, V.A., inzh.; KORENYUK, Yu.M., inzh.

Welding under flux of 40x50mm copper rings. Svar.proizv. no.5:35-36  
My '65. (MIRA 18:6)

1. Dagestanskiy zavod elektrotermicheskogo oborudovaniya (for  
Petshauf, Maylian). 2. Institut elektrosvarki im. Ye.O.Fatona  
(for Korenyuk).

MAYLIANOV, G.

Branches of the Construction Bank are uncovering hidden potentialities in construction. Fin. SSSR 21 no.11:79-81 N '60. (MIRA 13:11)

1. Zamestitel' upravlyayushchego Kazakskoy respublikanskoy kontoroy Stroybanka.

(Kazakhstan--Banks and banking)

(Kazakhstan--Construction industry--Finance)

RADCHENKO, G.A. ; MAYLYBAYEV, E.A. ; KOLOMBYTSKY, Yu.P.

Ventilation intensity and the distribution of dust concentrations  
in ventilation currents during the various stages of stope panel  
mining. Izv. AN Kazakh. SSR. Ser. gor dela no.1:108-120 '60.  
(MIRA 13:10)

(Mine ventilation) (Mining engineering)

RADCHENKO, G.A.; MAYLYBAYEV, B.A.; KOLOMBYTSSEV, Yu.P.

Characteristics of free, turbulent flow, spread out in wide chamber-  
like panels at various stages of mining. Izv. AN Kazakh. SSR. Ser.  
gor.dela no.2:105-122 '60. (MIRA 13:10)  
(Mine ventilation) (Fluid dynamics)



RADCHENKO, G.A.; KUSTOV, V.N.; MAYLYBAYEV, E.A.

Aerodynamic characteristics of currents in stope ventilation as  
applied to new ore mining techniques at the Dzhezkagan Mine.  
Trudy Inst. gor. dela AN Kazakh. SSR 6:166-182 '60. (MIRA 13:12)  
(Dzhezkagan region—Stoping (Mining))  
(Mine ventilation)

RADCHENKO, G.A.; MAYLYRAYEV, E.A.

Distribution of finely dispersed dust concentrations in ventilation currents circulating in limited areas. Trudy Inst. gor. dela AN Kazakh. SSR 6:192-204 '60. (MIRA 13:12)  
(Mine ventilation)

RADCHENKO, G.A.; MAYLYBAYEV, E.A.; KOLOMEYTSSEV, Yu.P.

Flat jet covering the face of a longwall. Izv.AN Kazakh.SSR.Ser.  
gor.dela no.2:91-99 '61. (MIRA 15:2)  
(Mine ventilation)

RADCHENKO, G.A.; MAYLYBAYEV, E.A.; KOLOMEYSEV, Yu.P.

Characteristics of dust dynamics in the ventilating of a stoping  
panel with a flat limited jet. Izv.AN Kazakh.SSR.Ser.gor.dela  
no.2:107-113 '61. (MIRA 15:2)  
(Mine ventilation)

RADCHENKO, G.A.; MAYLYBAYEV, E.A.; KOLOMEYTSSEV, Yu.P.

Effect of the size of cavities on the parameters of free restricted flows acting in a space constrained by supporting pillars. Trudy Inst. gor.dela AN Kazakh.SSR 8:150-163 '61. (MIRA 15:4)  
(Mine ventilation)

RADCHENKO, G.A.; MAYLYBAYEV, E.A.; KOLOMEYTSEV, Yu.P.

Relationship between the size of the worked area and the intensity  
of stope panel ventilation in the chamber and pillar system.  
Trudy Inst.gor.dela AN Kazakh.SSR 8:173-179 '61. (MIRA 15:4)  
(Mine ventilation) (Mining engineering)

RADCHENKO, G.A.; MAYLYBAYEV, E.A.

Efficient length of stoping with regard to the dust factor in  
the panel-pillar system of working. Vest. AN Kazakh. SSR 19  
no.9:93-102 S '63. (MIRA 16:11)

RADCHENKO, G.A.; MAYLYBAYEV, E.A.

Ventilation in panel stoping in the primary mining stage with  
feeding of air along the worked-out area. Trudy Inst.gor.dela  
AN Kazakh.SSR 15:39-44 '64. (MIRA 18:2)



MAYLIBAYEV, M. B. Cand Agr Sci -- <sup>Cotton vegetation regimen</sup> ~~"The mode of irrigating cotton~~ in the Golodnaya  
steppe." Alma-Ata, 1960 (Min of Higher and Secondary Specialized Education  
KazSSR. Kazakh Agr Inst). (KL, 1-61, 201)

-303-

*MAYLYBAYEV, M.*

USSR/Cultivated Plants - General Problems.

M-1

Abs Jour : Ref Zhur - Biol., No 20, 1958, 91575

Author : Maylybayev, M.

Inst :

Title : Agricultural System in Southern Kazakhstan.

Orig Pub : S. kh. Kazakhstan, 1957, No 8, 45-50.

Abstract : No abstract.

Card 1/1

- 4 -

MAYILBAYEV, M.; AZHABAYEV, E.

New discovery. Vest.AN Kazakh.SSR 16 no.12:91-92 D '60.  
(MIRA 14:1)  
(Tien Shan--Ostriches, Fossil)

RADCHENKO, G.A.; MAYLYBAYEV, Z.A.

Effect of a nonisokinetic condition on the results of taking dust samples from air currents. Bor'ba s sil. 5:265-272 '62.

(MIRA 16:5)

1. Institut gornogo dela AN KazSSR.  
(Dust removal)

MAYLYRAYEVA, G., master sports

Tamara Artukh, master of sports. Voen. znan. 35 no.3:26 Mr '59.  
(MIRA 12:7)

(Target practice)

MAYAN, R.

MAYAN, R. "The change in development of the Soviet Union",  
Trudy Gos. in-ta po izucheniyu SSSR im. Lenina, Vol. XI, P. 1-2,  
illustrations p. 303-13.

"Material on the change in development of the Soviet Union  
in 1944 (on the problem of the unity of the land and sea forces), report of the  
"The front central convocation", Trudy Gos. in-ta po izucheniyu SSSR im.  
Lenina, Vol. XI, 1944, p. 2-1 illustrations p. 24-2.

So: U- 31, 18 Sept. 42, (Leningrad: "Pravda" Press, No. 1, 1942).

MAYMARK, M. A.

USSR/Mathematics - Series

Jul 48

Mathematics - Group Theory

"One Trace of Basic and Auxiliary Series of Representations of a Complex Unimodular Group," I. M. Gel'fand, M. A. Maymark, 3 pp

"Dok Ak Nauk SSSR" Vol LXI, No 1

Authors' previous articles in "Dok Ak Nauk SSSR" Vol LIV, No 3, LVI, No 1, LVIII, No 8 discussed the basic and auxiliary series of unitary representations of a complex unimodular group. It is, in general, impossible to ascribe traces in the ordinary sense to the operators of such representation, as unitary operators in infinite space. Authors, therefore, consider the group ring instead of the group and deduce formula for traces on this basis. Submitted 29 Apr 1948.

PA 8/49T82

MAYMIK, V. [Maimik, V.]

Enthusiasts of a perfect organization of production. HT0 5 no.4:39-42  
Ap '63. (MIRA 16:3)

(Tallin—Art and industry—Congresses)



DEMIN, A.M., kand. tekhn. nauk; KOKH, P.I.; CHERTKOV, V.K.; VASIL'YEV, M.V., kand. tekhn. nauk; YEFIMOV, I.P.; KMITOVENKO, A.T., dots.; PRISEDSKIY, G.V., inzh.; DUNAYEVSKIY, Yu.N.; VOLOTKOVSKIY, S.A., doktor tekhn. nauk; KUR'YAN, A.I., kand. tekhn. nauk; MAYMIN, A.I.; MIROSHNIK, A.M.; PETROV, I.P.; TURYSHEV, B.F.; SHISHKOV, A.I.; AVERBUKH, I.D., inzh.; VARSHAVSKIY, A.V.; KRYUKOV, D.K.; LUKAS, V.A.; MINEYEV, V.A.; SMIRNOV, A.A., otv. red.; LYUBIMOV, N.G., red. izd-va; MAKSIMOVA, V.V., tekhn. red.

[Handbook for the mechanic in a coal pit] Spravochnik mekhanika ugol'nogo kar'era. Moskva, Gosgortekhnizdat, 1961. 639 p.

(MIRA 15:12)

(Coal mining machinery—Handbooks, manuals, etc.)

RIVKIN, I.D., kand.tekhn.nauk; VOLOSHCHENKO, V.P., kand.tekhn.nauk; MAYMIN, L.R.,  
gornyy inzh.

Parameters of mining systems with caving of deep level superposed  
rocks. Gor.zhur. no.8:15-21 Ag '65.

(MIRA 18:10)

1. Nauchno-issledovatel'skiy gornorudnyy institut, Krivoy Rog.

MAYMIN, S. R.

At the Dnepropetrovsk-Mining Institute in Artem Sergeyev from April 1939 to April 1947, the following dissertations were defended in connection with attaining the scholarly degree of Candidate of Technical Sciences (specializing in mining electrical engineering: S. R. Maymin on 15 May 1940 defended a dissertation on the subject "Increasing power factor of mine networks".

The official opponents of this dissertation were Professor N. N. Malov, and Candidate of Technical Sciences Docent V. S. Rakita.

A theoretical investigation was presented of a three-phase asynchronous motor with condensers in the stator circuit. The basic conclusions were checked experimentally. A case of transfer of one phase into the generator system was investigated oscillographically. A system was worked out for directing single-phase mine electric locomotives with condensor motors. The operation of numerous three-phase synchronous motors was investigated under operating conditions in order to increase the power factor in the networks. It was determined to be possible to increase the exciter current up to 20 percent above the normal current. Recommendations were made concerning the personnel to operate such equipment.

SO: Elektrichestvo [Electricity], No. 10, October 1947. Moscow.

MAYMIN, S. R.

Maymin, S. R. - "Power supply for clean-out work through cable core holes (in coal fields)," Investiya Dnepropetr. univ. in-ta, Vol. XIX, 1958, pp. 150-59

SO: U-3600; 10 July 59, (Letopis 'Zhurnal Naykh S'atoy, No. 6, 1959).

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20725. Maymin, S.R. i Murzin, V.A. Udel'nyye normy potrebleniya elektroenergi na shakhtakh krivbassa. Gornyy zhurnal, 1949, No. 7, s. 16-28

SO: LETOPIS ZHURNAL STATEY - Vol. 28, Moskva, 1949

USSR/Electricity - Power Consumption  
Normas

Ref. 11

MAYMIN, S. P.

"Determining the Power Consumption of a Scraper Conveyor in the Krivbas Iron Mines," A. Docent S. P. Maymin, Dnepropetrovsk Mining Inst

Prom Energet, No 2, pp 14-15

Scraper conveyers account for 90% of total electric power consumption in Krivbas iron mines. Method of measuring ore obtained in one cycle, length of ~~xx~~ scraping, and power consumption furnishes more accurate results for establishing norms than are obtained by determining consumption from rated power.

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MAKIN, S.B., TUPICOV, G.M.

Electric Power

Standardizing and economical use of electric power in the coal industry. From.  
energ. 9 (1972)

Monthly List of Russian Accessions, Library of Congress, August, 1972. UNCLASSIFIED

BUN'KO, V.A.; MAYMIN, S.R.; SHISHKOV, P.P.

[Electrical equipment of concentration plants and briquette factories]

Elektrooborudovanie obogatitel'nykh i briketnykh fabrik. Moskva,

Ugletekhizdat, 1953. 271 p.

(MLRA 7:6)

(Electric machinery) (Briquets (Fuel)) (Coal preparation)



MAYMIN, Semen Rafailovich; SHISHKOV, Petr Fedotovitch; MIKHEYEV, Yu.A.,  
redaktor; NADEINSKAYA, A.A., tekhnicheskiiy redaktor

[Collection of problems and exercises for electric engineering in  
mining] Sbornik zadach i uprazhnenii po gornoj elektrotekhnike.  
Moskva, Ugletekhizdat, 1955. 217 p. (MLRA 9:2)  
(Electricity in mining)

*Maymin, Semen Rafailovich*

KUVAYEV, Nikolay Yefremovich, dots.; MAYMIN, Semen Rafailovich, dots.;  
SHAFRANOV, Vitaliy Pavlovich, kand.tekhn.nauk; MIROSHNIK, Aleksandr  
Mikheylovich, kand.tekhn.nauk; BUN'KO, Viktor Aleksandrovich, dots.;  
LEVITSKIY, D.A., otvetstvennyy red.; LIBERMAN, S.S., red.izd-va;  
ANDREYEV, S.P., tekhn.red.

[Electric drive for mining machinery and the principles of automatic  
operation] Elektroprivod gornykh mashin i osnovy avtomatiki. Khar'kov,  
Gos. nauchno-tekh. izd-vo lit-ry po cherno i svetnoi metallurgii,  
1957. 320 p. (MIRA 11:2)

(Mining machinery--Electric driving)  
(Automatic control)

8(3)

SOV/112-59-4-6933

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 4, p 73 (USSR)

AUTHOR: Maymin, S. R.

TITLE: Electric-Energy Consumption at Coal Mines

PERIODICAL: V sb.: Gorn. elektrotehnika, M., Ugletekhizdat, 1957, pp 612-622

ABSTRACT: Methods for determining normal quotas of energy consumption by individual units, by operations, and by individual fields at the coal-industry plants are presented. A substantiation is given for energy-consumption norms per unit yield for combines, coal-cutting machinery, conveyer, electrical tools, and lighting. A formula for the total consumption by the field depending on the yield, conveyer length, and the number and length of blast holes is offered. A method of estimating the energy consumption by large mine customers, such as hoists, water-pumping, and ventilation systems is presented. The influence of the production plan upon per-unit energy consumption is examined. A simplified method of loss estimation is submitted.

I. V. Kh.

Card 1/1

MAYMIN, S.R., dotsent; ~~FAIBISOVICH~~; I.L., kandidat tekhnicheskikh nauk.

Reader's response to A.N.Bredikhin's article "Capacity calculation for a section transformer substation based on the stability of maximum loads, transformer choice and determination of power engineering indexes". Reviewed by I.L.Faibisovich, S.R.Maimin. Ugol' 32 no.3:41-42 Mr '57. (MLRA 10:5)

1.Dnepropetrovskiy gornyy institut (for Maymin).

(Electricity in mining)

(Bredikhin, A.N.)